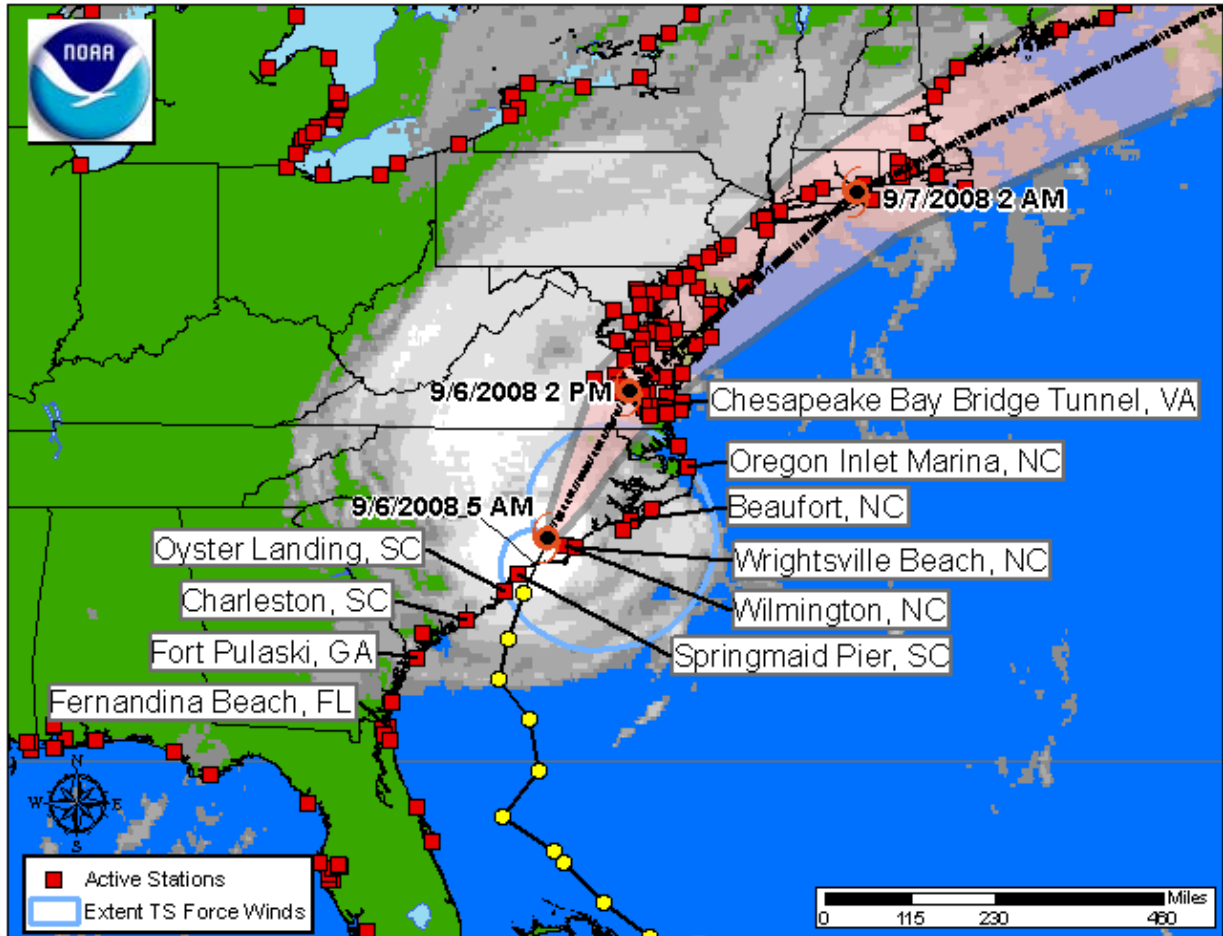




Tropical Storm HANNA QuickLook  
Posted: 06:30 EDT 09/06/2008

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

The center of Tropical Storm Hanna made landfall near the border between South Carolina and North Carolina at about 0320 am EDT

As of 09/06/2008 06:30 EDT, water levels along the coast of North Carolina are elevated between 0.2 to 2 feet above predicted. Water levels are rising, up to 4.9 feet above predicted, at Wilmington, NC. Water levels are falling along the coasts of Florida, Georgia and South Carolina; however, at Springmaid Pier, SC water levels are below predicted. Barometric pressure is falling north of Oregon Inlet Marina, NC, along the southern Virginia coast and rising south of Wrightsville Beach, NC. Wind gusts of over 60 knots have been observed at Wrightsville Beach, NC.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

**Wilmington, NC: Next predicted high tide is 4.40 ft (1.34 m) at 09/06/2008 15:25 EDT.**

**Beaufort, NC: Next predicted high tide is 7.40 ft (2.26 m) at 09/06/2008 14:51 EDT.**

**Oregon Inlet Marina, NC: Next predicted high tide is 1.10 ft (0.34 m) at 09/06/2008 13:23 EDT.**

**Wrightville Beach, NC: Next predicted high tide is 4.18 ft (1.27 m) at 09/06/2008 12:48 EDT.**

**Springmaid Pier, SC: Next predicted high tide is 5.10 ft (1.55 m) at 09/06/2008 13:10 EDT.**

**Oyster Landing (North Inlet Estuary), SC: Next predicted high tide is 4.90 ft (1.49 m) at 09/06/2008 14:11 EDT.**

**Charleston, SC: Next predicted high tide is 5.40 ft (1.65 m) at 09/06/2008 13:31 EDT.**

**Fort Pulaski, GA: Next predicted high tide is 6.90 ft (2.10 m) at 09/06/2008 13:42 EDT.**

**Fernandina Beach, FL: Next predicted high tide is 6.10 ft (1.86 m) at 09/06/2008 14:18 EDT.**

**Chesapeake Bay Bridge Tunnel, VA: Next predicted high tide is 2.80 ft (0.85 m) at 09/06/2008 13:31 EDT.**

**For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.**

**Analyst: ND**

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**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**TROPICAL STORM HANNA ADVISORY NUMBER 38**

**500 AM EDT SAT SEP 06 2008**

**HANNA MOVES ASHORE AS A TROPICAL STORM**

**AT 500 AM EDT 0900Z THE CENTER OF TROPICAL STORM HANNA WAS LOCATED NEAR LATITUDE 34.4 NORTH LONGITUDE 78.3 WEST OR ABOUT 150 MILES 240 KM NORTHEAST OF CHARLESTON SOUTH CAROLINA AND ABOUT 25 MILES 45 KM WEST-NORTHWEST OF WILMINGTON NORTH CAROLINA.**

**HANNA IS MOVING TOWARD THE NORTH-NORTHEAST NEAR 22 MPH 35 KM/HR. A GRADUAL TURN TO THE NORTHEAST WITH AN INCREASE IN FORWARD SPEED IS EXPECTED TODAY AND TOMORROW. ON THE FORECAST TRACK THE CENTER OF HANNA WILL MOVE ACROSS EASTERN NORTH CAROLINA THIS MORNING ALONG THE MID-ATLANTIC COAST LATER TODAY AND TONIGHT. AND ALONG THE COAST OF THE NORTHEASTERN UNITED STATES AND SOUTHEASTERN CANADA ON SUNDAY.**

**MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 60 MPH 95 KM/HR WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT COUPLE**

**OF DAYS. HANNA IS EXPECTED TO LOSE TROPICAL CHARACTERISTICS BY LATE ON SUNDAY.**

**TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 200 MILES 325 KM FROM THE CENTER.**

**THE MINIMUM CENTRAL PRESSURE BASED ON SURFACE OBSERVATIONS AND RECENT AIRCRAFT RECONNAISSANCE DATA IS 983 MB 29.03 INCHES.**

**COASTAL STORM SURGE FLOODING ALONG THE ATLANTIC COASTS OF SOUTH CAROLINA AND NORTH CAROLINA SHOULD GRADUALLY SUBSIDE TODAY. STORM SURGE FLOODING OF 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IS EXPECTED TODAY IN ALBEMARLE AND PAMLICO SOUNDS AND IN CHESAPEAKE BAY WHICH WILL SUBSIDE TONIGHT AFTER HANNA QUICKLY PASSES TO THE NORTHEAST.**

**HANNA IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 4 TO 6 INCHES FROM CENTRAL NORTH CAROLINA NORTHEASTWARD THROUGH EASTERN PORTIONS OF THE MID-ATLANTIC STATES SOUTHERN NEW YORK AND INTO SOUTHERN NEW ENGLAND WITH ISOLATED MAXIMUM AMOUNTS OF 10 INCHES POSSIBLE. THESE RAINFALL AMOUNTS COULD PRODUCE FLASH FLOODING ACROSS THESE REGIONS.**

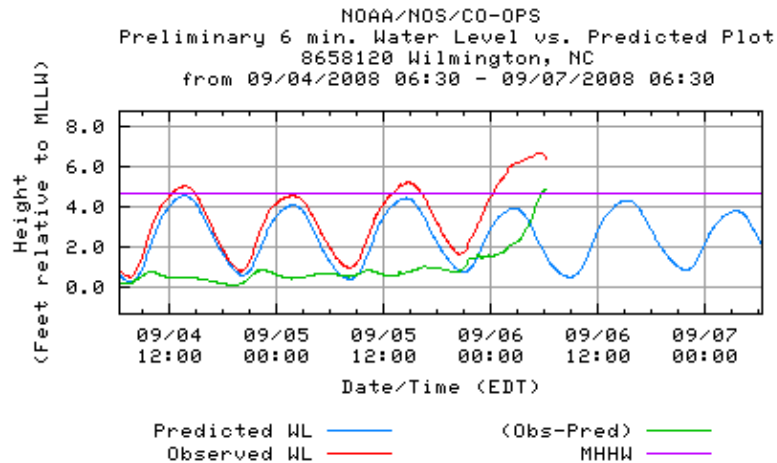
**ISOLATED TORNADOES ARE POSSIBLE TODAY OVER EASTERN NORTH CAROLINA EASTERN VIRGINIA AND SOUTHERN MARYLAND.**

**FORECASTER KNABB**

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Wilmington - Water Level](#), [Beaufort - Water Level](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [Oregon Inlet Marina - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Air/Water Temp](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Oyster Landing \(North Inlet Estuary\) - Water Level](#), [Charleston - Water Level](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#),

**Wilmington, NC - Station Map** [Return to List](#)

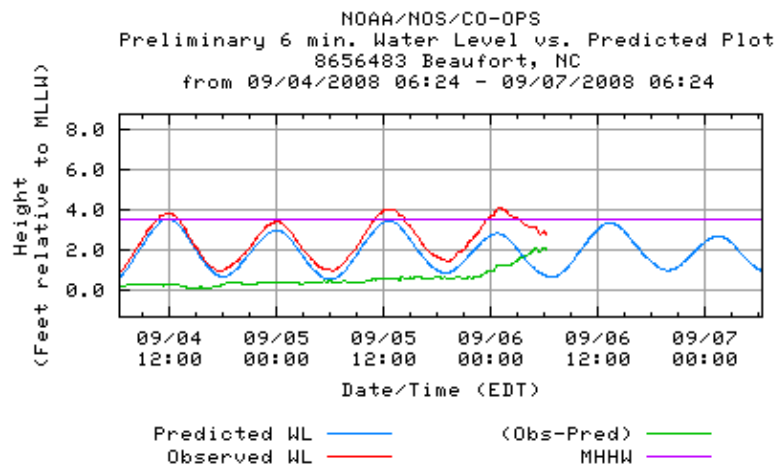


Last Observed Sample: 09/06/2008 06:18 (EDT)

Relative to **MLLW**: **Observed: 6.46 ft. Predicted: 1.56 ft. Residual: 4.90 ft.**

Historical Maximum Water Level: 10/15/1954, 3.47 ft. above **MHHW**

**Beaufort, NC - Station Map** [Return to List](#)

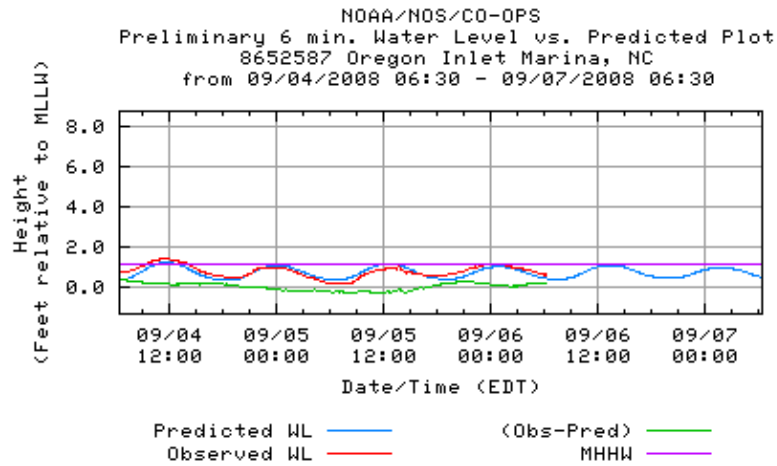


Last Observed Sample: 09/06/2008 06:18 (EDT)

Relative to **MLLW**: **Observed: 2.68 ft. Predicted: 0.72 ft. Residual: 1.96 ft.**

Historical Maximum Water Level: 09/16/1999, 2.74 ft. above **MHHW**

**Oregon Inlet Marina, NC - Station Map** [Return to List](#)

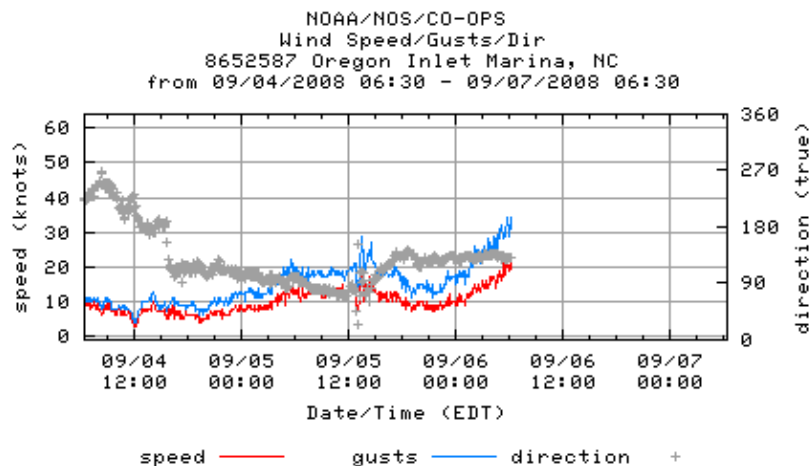


Last Observed Sample: 09/06/2008 06:18 (EDT)

Relative to **MLLW**: **Observed: 0.65 ft. Predicted: 0.46 ft. Residual: 0.19 ft.**

Historical Maximum Water Level: 09/16/1999, 4.49 ft. above **MHHW**

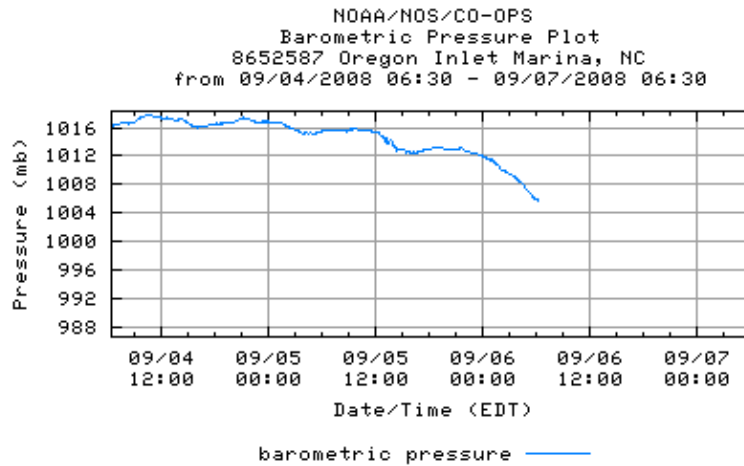
**Oregon Inlet Marina, NC - Station Map** [Return to List](#)



Last Observed Sample: 09/06/2008 06:18 (EDT)

**Wind Speed: 21 knots Gusts: 34 knots Direction: 131° T**

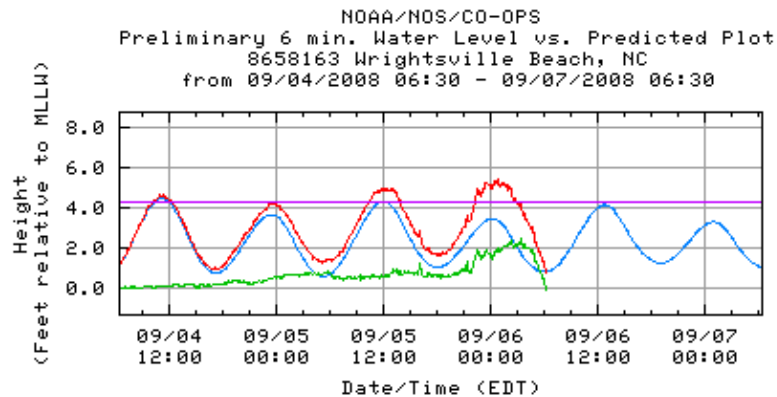
**Oregon Inlet Marina, NC - Station Map** [Return to List](#)



Last Observed Sample: 09/06/2008 06:18 (EDT)

Barometric Pressure: 1005.8 mb

**Wrightsville Beach, NC - Station Map** [Return to List](#)

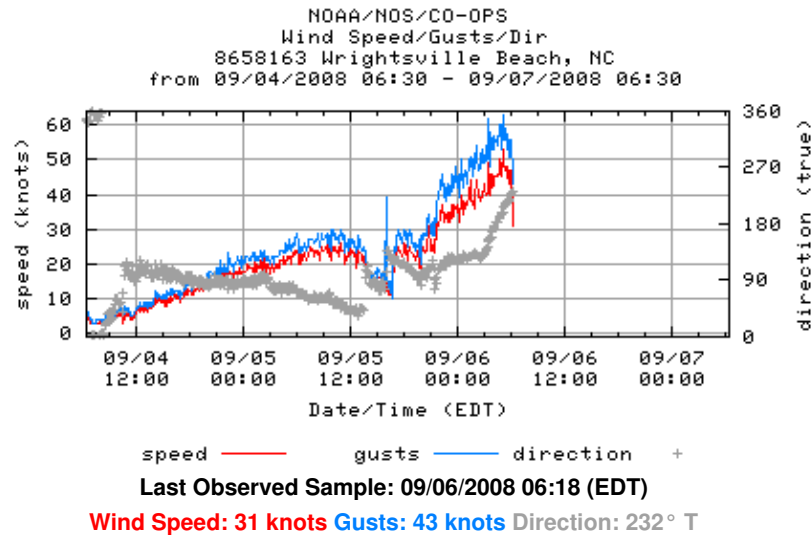


Last Observed Sample: 09/06/2008 06:18 (EDT)

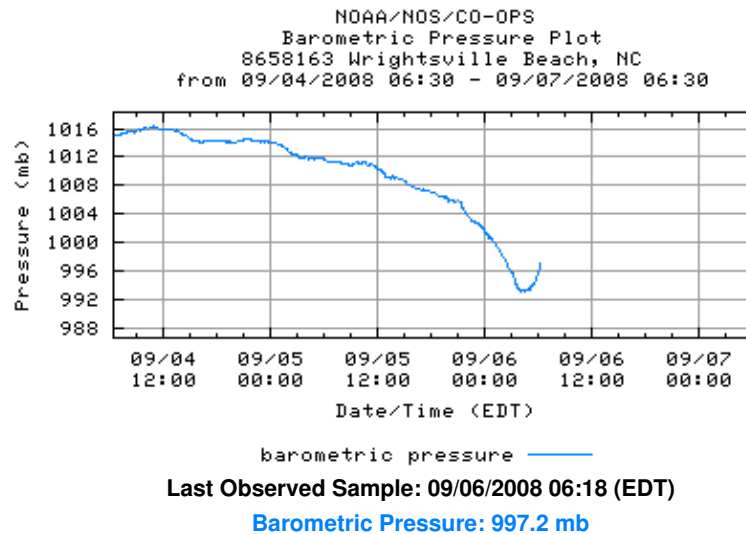
Relative to **MLLW**: Observed: 0.79 ft. Predicted: 0.84 ft. Residual: -0.05 ft.

Historical Maximum Water Level: n/a

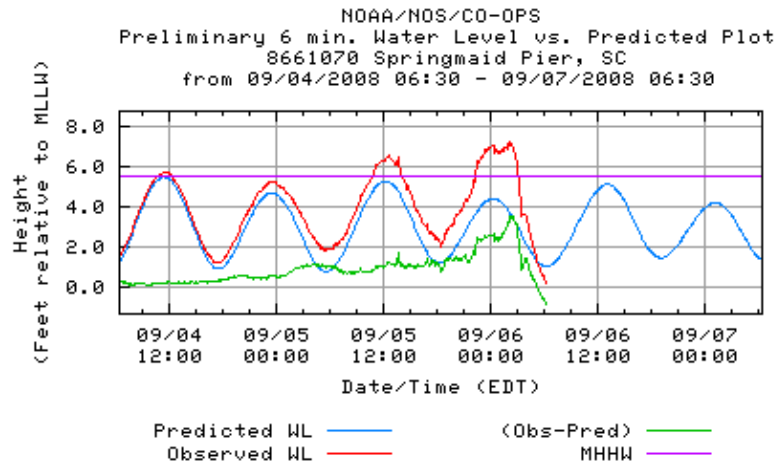
**Wrightsville Beach, NC - Station Map** [Return to List](#)



**Wrightsville Beach, NC - Station Map** [Return to List](#)



**Springmaid Pier, SC - Station Map** [Return to List](#)

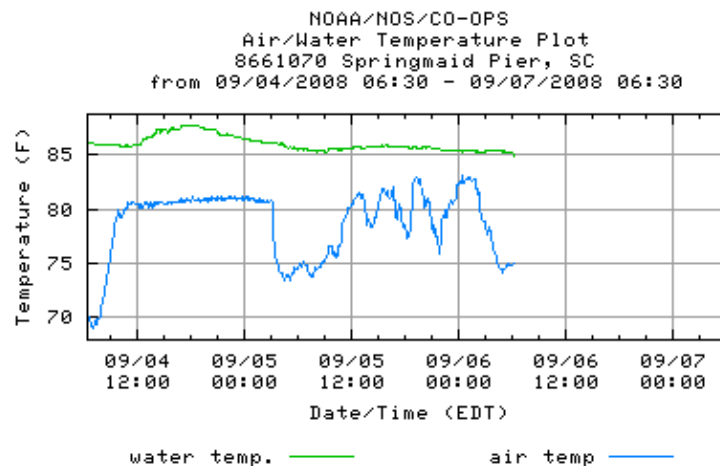


Last Observed Sample: 09/06/2008 06:18 (EDT)

Relative to **MLLW**: **Observed: 0.25 ft. Predicted: 1.06 ft. Residual: -0.81 ft.**

Historical Maximum Water Level: 01/01/1987, 3.65 ft. above **MHHW**

**Springmaid Pier, SC - Station Map** [Return to List](#)

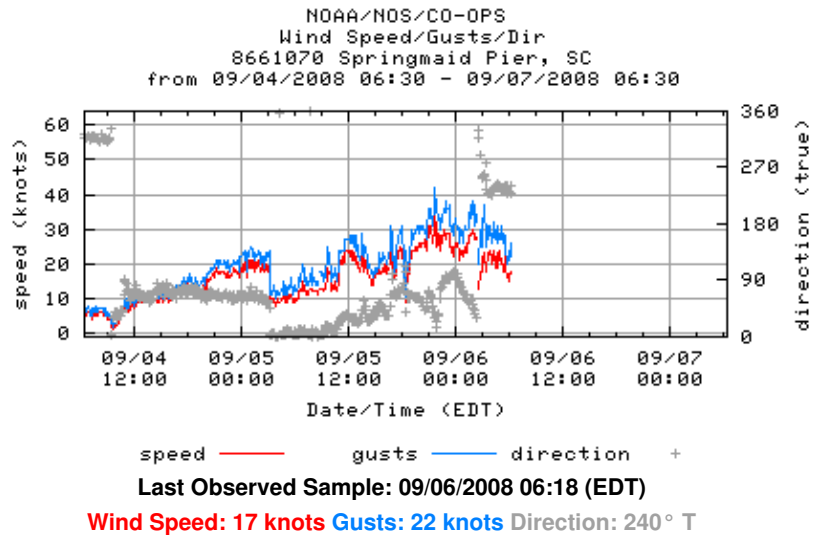


Last Observed Sample: 09/06/2008 06:18 (EDT)

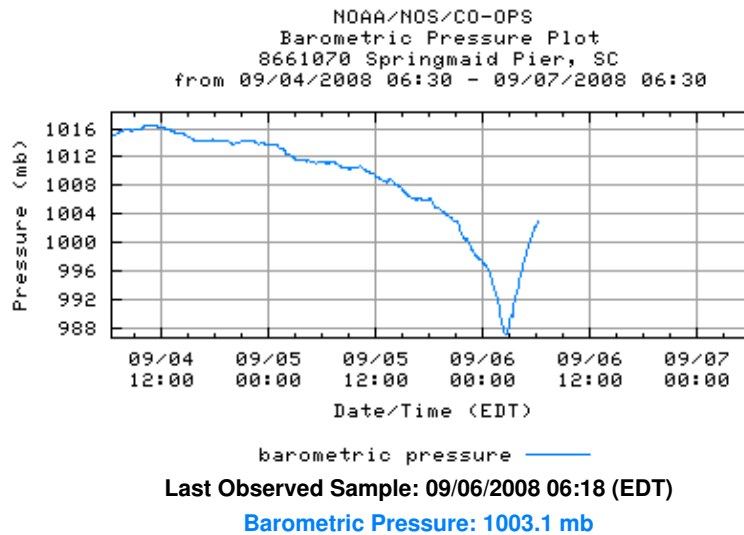
**Water Temperature: 85.1° F Air Temperature: 75.0° F**



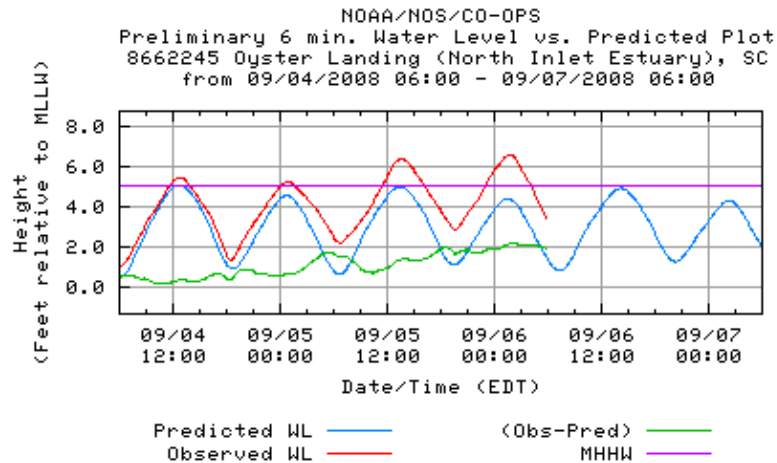
**Springmaid Pier, SC - Station Map** [Return to List](#)



**Springmaid Pier, SC - Station Map** [Return to List](#)



**Oyster Landing (North Inlet Estuary), SC - Station Map** [Return to List](#)

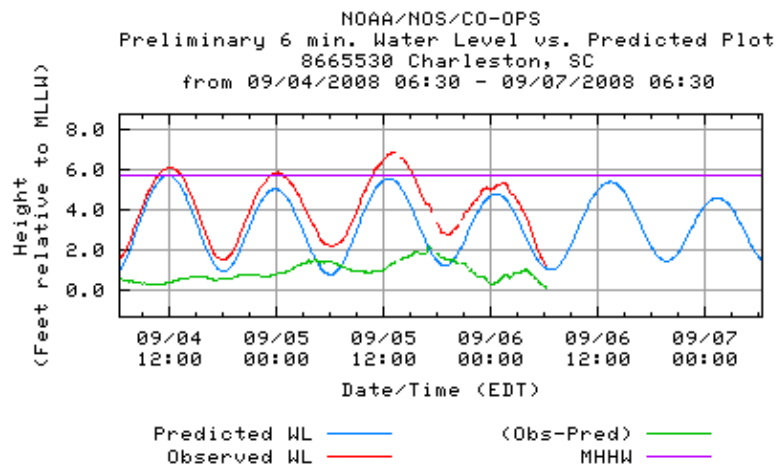


Last Observed Sample: 09/06/2008 05:48 (EDT)

Relative to **MLLW**: **Observed: 3.47 ft. Predicted: 1.54 ft. Residual: 1.93 ft.**

Historical Maximum Water Level: 07/22/2001, 2.21 ft. above **MHHW**

**Charleston, SC - Station Map** [Return to List](#)

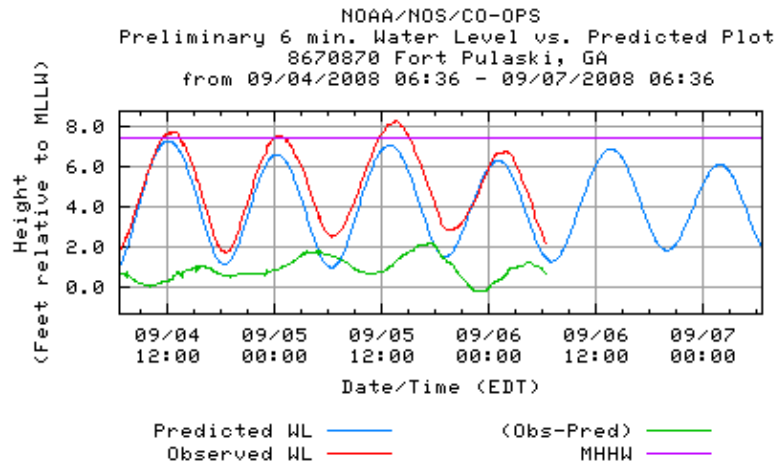


Last Observed Sample: 09/06/2008 06:18 (EDT)

Relative to **MLLW**: **Observed: 1.24 ft. Predicted: 1.10 ft. Residual: 0.14 ft.**

Historical Maximum Water Level: 09/21/1989, 6.76 ft. above **MHHW**

**Fort Pulaski, GA - Station Map** [Return to List](#)

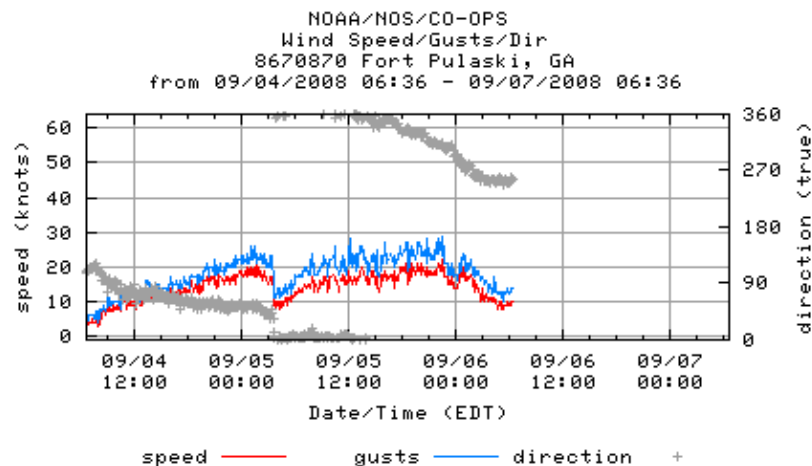


Last Observed Sample: 09/06/2008 06:18 (EDT)

Relative to **MLLW**: **Observed: 2.22 ft. Predicted: 1.51 ft. Residual: 0.71 ft.**

Historical Maximum Water Level: 10/15/1947, 3.4 ft. above **MHHW**

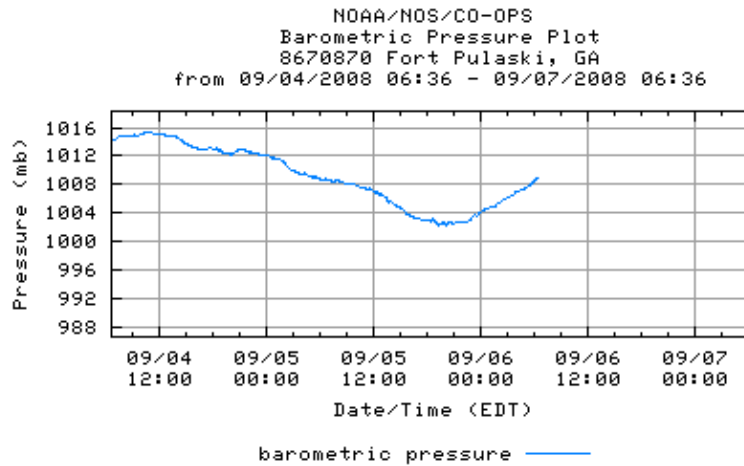
**Fort Pulaski, GA - Station Map** [Return to List](#)



Last Observed Sample: 09/06/2008 06:18 (EDT)

**Wind Speed: 10 knots Gusts: 14 knots Direction: 256° T**

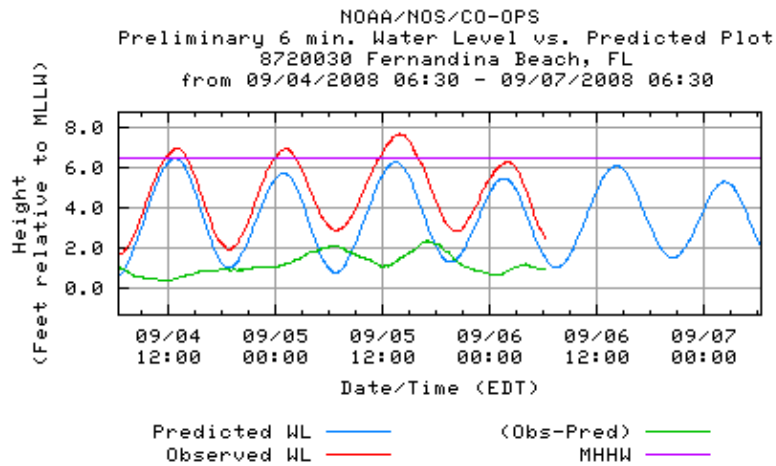
**Fort Pulaski, GA - Station Map** [Return to List](#)



Last Observed Sample: 09/06/2008 06:18 (EDT)

Barometric Pressure: 1008.8 mb

**Fernandina Beach, FL - Station Map** [Return to List](#)

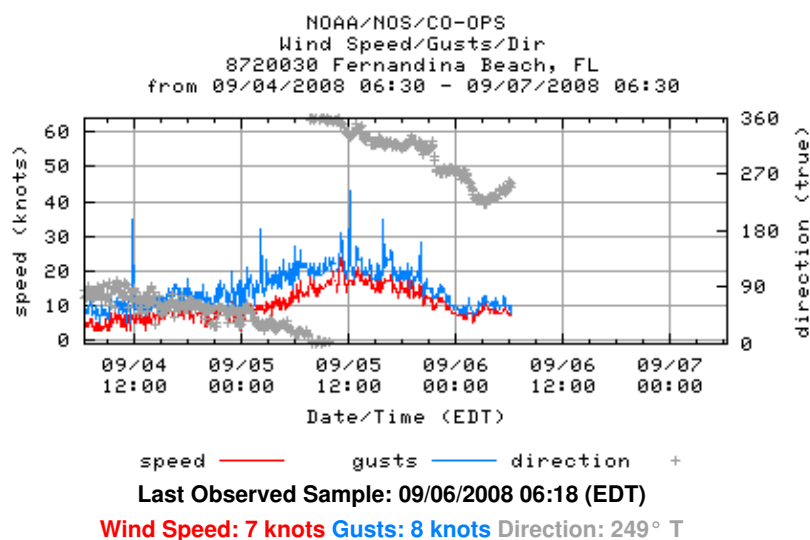


Last Observed Sample: 09/06/2008 06:18 (EDT)

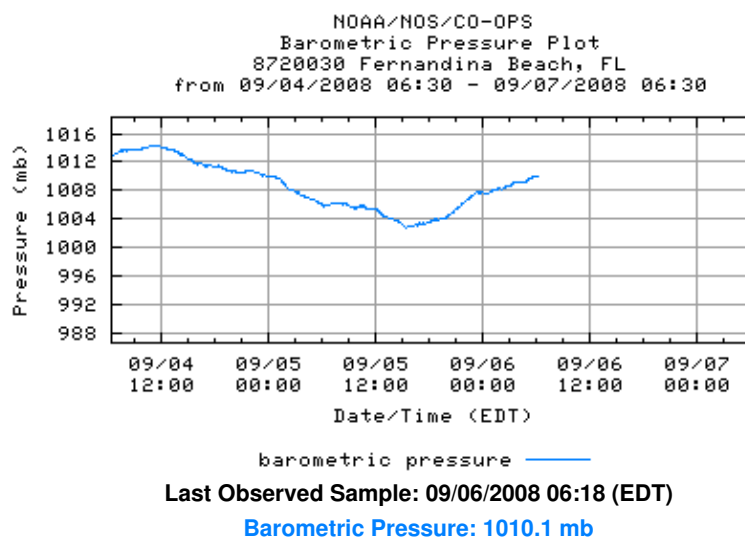
Relative to **MLLW**: Observed: 2.54 ft. Predicted: 1.53 ft. Residual: 1.01 ft.

Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

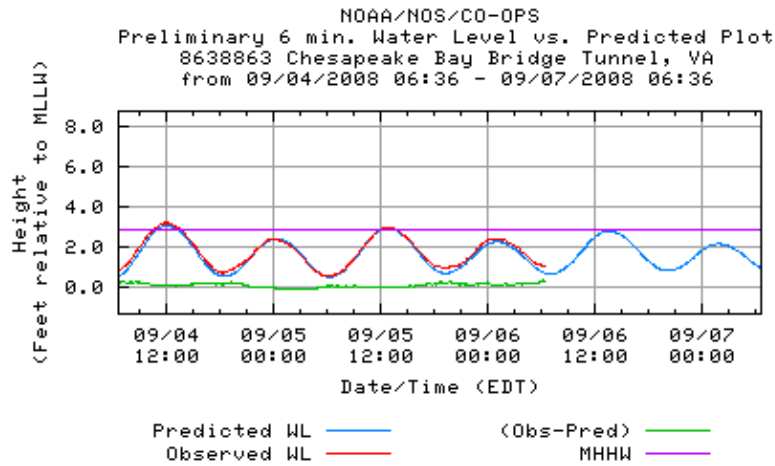
**Fernandina Beach, FL - Station Map** [Return to List](#)



**Fernandina Beach, FL - Station Map** [Return to List](#)



**Chesapeake Bay Bridge Tunnel, VA - Station Map** [Return to List](#)

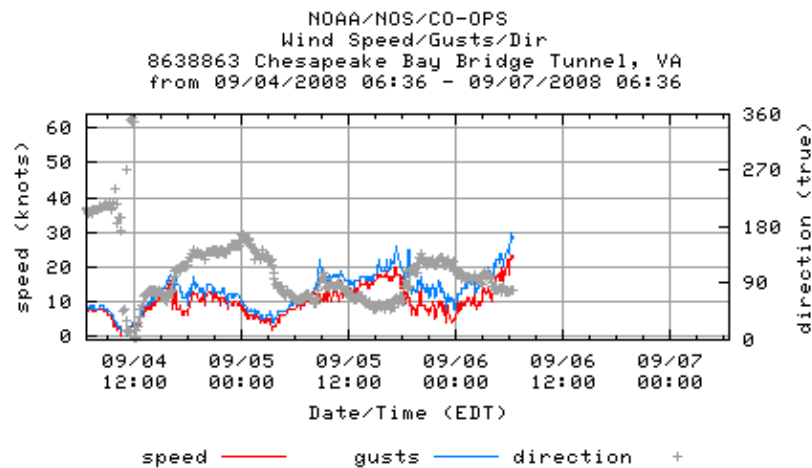


Last Observed Sample: 09/06/2008 06:18 (EDT)

Relative to **MLLW**: **Observed: 1.08 ft.** **Predicted: 0.73 ft.** **Residual: 0.35 ft.**

Historical Maximum Water Level: 02/05/1998, 3.68 ft. above **MHHW**

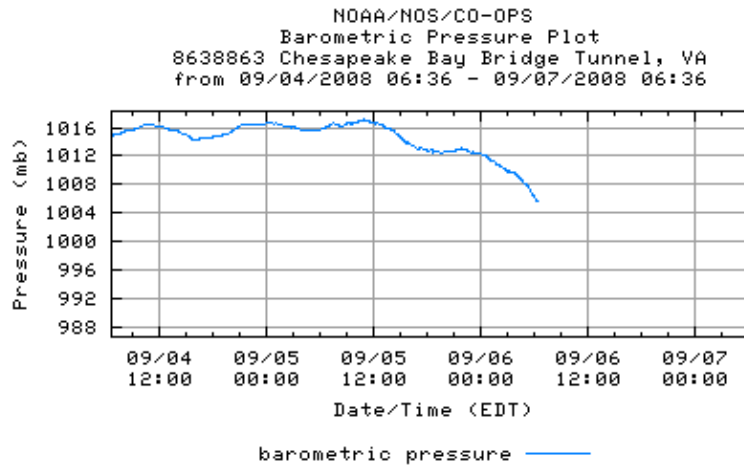
**Chesapeake Bay Bridge Tunnel, VA - Station Map** [Return to List](#)



Last Observed Sample: 09/06/2008 06:18 (EDT)

**Wind Speed: 23 knots** **Gusts: 28 knots** **Direction: 079° T**

**Chesapeake Bay Bridge Tunnel, VA - Station Map** [Return to List](#)



**Last Observed Sample: 09/06/2008 06:18 (EDT)**

**Barometric Pressure: 1005.6 mb**

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce